

Practitioner's Docket No. 13189.141



777 Rec'd PCT/PTO 09 JAN 2002

PATENT
COPY OF PAPERS
ORIGINALLY FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Zengerle, Roland; Hey, Nicolaus; Gruhler, Holger; Freygang, Michael; and Mueller, Martin

Application No.: 09/936,881 Group No.: Unknown

Filed: September 11, 2001 Examiner: Unknown

For: FLUID MANAGEMENT APPARATUS WITH FORMAT CONVERSION

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, DC 20231

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. Section 1.97(b))**

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The Supplemental Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. Section 1.97(b).

CONCISE EXPLANATION

A concise explanation of the relevance, as it is presently understood by the individual designated in §1.56(c) most knowledgeable about the content of the information of each patent, publication, or other information listed that is not in the English language is attached.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. Section 1.8(a))

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Box Non-Fee Amendment, Assistant Commissioner for Patents, Washington, DC 20231.

Date: October 18, 2001

FACSIMILE

transmitted by facsimile to the Patent and Trademark Office.

Elaine C. Von Spreckelsen
Signature

Elaine C. VonSpreckelsen
(type or print name of person certifying)

Doc. 2759

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action-page 1 of 2)

FEES

It is believed no fee is due. If any fee is due, please charge Deposit Account No. 50-1848.

Date: Oct 18, 2001

Reg. No.: 28,494
Tel. No.: 303-379-1114
Fax No.: 303-379-1155



Signature of Practitioner
Carl A. Forest
Customer No.: 24283

CONCISE EXPLANATION OF RELEVANCE

DE 3004555 A1 cited in the National German examination procedure relates to a plotting machine. The plotting machine has a printing head having three pens which can be piezoelectrically actuated. This document does not include any hit as to a format conversion.

EP 0 955 084 A1 relates to a micro-ejection pump. One embodiment of the micro-ejection pump shown in FIG. 5 of this document includes a parallel arrangement of a plurality of pump chambers 4. An ejection orifice is associated with each pump chamber 4 and connected therewith via a fluid channel. In addition, feeding channels 7 (see FIG. 9) are in fluid communication to the pump chambers 4 via diffuser elements. A fluid inlet 16 (FIG. 9) for the feeding channel is provided in the top surface of such a micro-ejection pump 1. On the one hand, this document is silent about a specific format conversion, and, on the other hand, this document is silent about first orifices in a first surface of a substrate and second orifices in a second surface of a substrate which is opposite to the first surface.

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
SUPPLEMENTAL
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/936,881
		Filing Date	September 11, 2001
		First Named Inventor	Roland Zengerle
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	1
Attorney Docket Number			13189.141

U.S. PATENT DOCUMENTS

RECEIVED
FEB 11 2002
TC 1100

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.